



PLANTER geo

Profiled HDPE membrane with geotextile



Description:

Profiled HDPE membrane with geotextile for construction of drainage for foundations, ballasted and green roofs.

PLANTER geo is a double-layer profiled membrane. The first layer of the material is produced by extrusion method on a base of high density polyethylene (HDPE) covered with conic studs 8 mm height and 10 mm in diameter. The second layer is a thermally bounded geotextile glued to the membrane.

The membrane is used for:

- construction of vertical and horizontal drainage for foundations;
- construction of drainage, protective and separating layer for ballasted roofs and green roofs.

The material is very lightweight and easy to install, herein it is featured by high strength properties. PLANTER is resistant to chemicals, mould and bacteria, roots of plants and ultraviolet radiation.

Application:

The wall drainage can be fixed at the basement level with double-sided self-adhesive sealant tape NICOBAND DUO 150 mm wide. For this purpose, stick the tape at the level of 200-300 mm above the waterproofing membrane and attach PLANTER geo to it. Places of the vertical junction of contiguous rolls should also be sealed with the same tape. Or else, fix the profiled membrane mechanically. The lateral overlapping of adjacent rolls should make at least 4 studs. The upper edge of the profiled HDPE membrane is covered with an edge profile.

Storage:

Rolls of PLANTER are delivered on pallets. Rolls should be stored indoors in a dry place in their original packaging and taken to the construction site ready to use. Keep the minimum distance of 1 m from any source of heat.

Declared performance:

Essential characteristics	Unit of measurement	Properties
Length x width	m	15 x 2.0
Mass per unit area	kg/m ²	0.65
Compressive strength	kPa	≥ 350
Tensile strength L / T	N/50 mm	420 / 420
Elongation	%	≥ 30
Water flow rate	l/m ² *sec	5.1
Studs height	mm	8



Harmonised standard:

EN 13967:2012